

Attorney Docket No.884,926US1

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application combined declaration and power of attorney

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: CIRCUITS AND METHODS FOR ALLIGNMENT OF SIGNALS IN INTEGRATED CIRCUITS.

The specification of which was filed on July 2, 2003 as application serial no. 10/612722.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this

No such claim for priority is being made at this time.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Page 2 of 5

Aldous, Alan Anderson, Robert D. Anglin, J. Michael Arora, Suneel Bacan, Shireen Reg. No. 24 Beckman, Marvin L Blanchi, Timothy E. Billion, Richard E. Black, David W. Brake, Edward Brennan, Thomas F. Burge, Ben Chadwick, Robin A. Chen, George Choi, Glen Clark, Barbara J. Clitac, Timothy B. Cochran, David R. Cool, Kenneth J. Dahl, John M. DeLizio, Andrew Draeger, Jeffrey S. Drake, Eduardo E. Ermbretson, Janet E. Featz, Cindy Forrest, Bradley A. Gagne, Christopher Gorric, Gregory J. Greenes, Robert A. Reg. No. 43, Reg. No. 36, Reg. No. 36, Reg. No. 39, Reg. No. 39, Reg. No. 36, Reg. No. 44, Reg. No. 36, Reg. No. 46, Reg. No. 36, Reg. No. 44, Reg. No. 36	3,826 Harris, Robert J. 4,916 Huter, Jeffrey B. 4,2267 Jackson Huebsch, Katharine A. 4,049 Jurkovich, Patti J. 4,377 Kalis, Janal M. 4,836 Klirna-Silberg, Catherine I. 4,836 Klirna-Silberg, Catherine I. 4,784 Lacy, Rodney L. 4,784 Lacy, Rodney L. 4,784 Lumberg, Steven W. 4,787 Lumberg, Steven W. 4,780 Lumberg, Steven W. 4,780 Lumberg, Steven W. 4,780 Lumberg, Steven W. 4,780 Maki, Peter C. 4,807 Lumbark, David C. 5,46 Maki, Peter C. 4,807 Martinez, Anthony 6,546 Maki, Peter C. 6,107 Malen, Peter L. 6,107 Malen, Peter L. 6,107 Malen, Peter L. 6,107 Malen, Peter L. 6,108 Mertinez, Anthony 6,108 Martinez, Anthony 6,109 Malen, Poseph P. 6,109 Muller, Mark V. 6,109 Muller, Mark V. 6,109 Nagy, Paul 6	Reg. No. 34,341 Rog. No. 37,346 Rog. No. 41,086 Rog. No. 47,670 Rog. No. 44,813 Rog. No. 37,650 Rog. No. 40,670 Rog. No. 40,670 Rog. No. 40,670 Rog. No. 40,052 Rog. No. 32,146 Rog. No. 41,136 Rog. No. 41,136 Rog. No. 44,855 Rog. No. 50,672 Rog. No. 50,672 Rog. No. 42,832 Rog. No. 42,832 Rog. No. 42,832 Rog. No. 42,838 Rog. No. 42,838 Rog. No. 42,858 Rog. No. 45,535 Rog. No. 51,003 Rog. No. 51,003 Rog. No. 37,509 Rog. No. 44,255 Rog. No. 44,255 Rog. No. 42,650 Rog. No. 42,650 Rog. No. 35,635 Rog. No. 35,635 Rog. No. 33,024 Rog. No. 33,024 Rog. No. 45,001	Pardok, Monique M. Peret, Andrew R. Peterson, David C. Plimier, Michael D. Proksch, Michael A. Prout, William F. Reif, Kevin A. Sayles, Crystal D. Schumm, Sherry W. Schwegman, Micheal L. Seddon, Ken Secley, Mark Shah, Ami P. Simon, David Skobrat, Steve Speier, Gary J. Steffey, Charles E. Steiner, Paul E. Stordal, Leif T. Stuman-Horn, Joni D. Tong, Viet V. Tran, David Viksnins, Ann S. Wells, Calvin Willardson, Michael Winkle, Robert G. Woessner, Warren D. Wong, Sharon Yates, Steven D. Young, Charles K.	Reg. No. 42,989 Reg. No. 41,246 Reg. No. 41,246 Reg. No. 43,001 Reg. No. 43,001 Reg. No. 33,995 Reg. No. 36,381 Reg. No. 36,381 Reg. No. 39,422 Reg. No. 25,816 Reg. No. 43,105 Reg. No. 42,143 Reg. No. 32,299 Reg. No. 32,299 Reg. No. 32,756 Reg. No. 32,756 Reg. No. 36,279 Reg. No. 45,458 Reg. No. 25,179 Reg. No. 45,458 Reg. No. 25,179 Reg. No. 41,326 Reg. No. 41,326 Reg. No. 45,416 Reg. No. 45,416 Reg. No. 50,804 Reg. No. 50,804 Reg. No. 37,748 Reg. No. 37,748 Reg. No. 37,747 Reg. No. 37,760 Reg. No. 37,760 Reg. No. 37,760 Reg. No. 39,435
---	--	---	--	---

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignce/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary. Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and helief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor Citizenship: Post Office Address:	number 1: <u>Tanveer R Khondker</u> Bangladesh 584 Borges Ct. Folsom, CA 95630	Residence: Folsom, CA	
Signature:	anveer R Khondker	Date:	
X Additional inventors are be	eing named on separately numbered sheets,	attached hereto.	

Attorney Docket No.: 684.926U\$1 Serial No. 10/612722 Filing Date: July 2, 2003			Page 3 of 5
Full Name of joint inventor a Citizenship: Post Office Address:	number 2: <u>Vijay Vuppaladadium</u> India 1021 Folsom Ranch Drive #204 Folsom, CA 95630	Residence: Folsom, CA	
Signature:	ijay Vuppaladadium	Date:	
Full Name of joint inventor n . Citizenship: Post Office Address:	number 3: <u>Inder Sodhi</u> India 963 Sterling Circle Folsom, CA 95630	Residence: Folsom, CA	
Signature:In	der Sodhi	Date:	
Full Name of joint inventor me Citizenship: Post Office Address: Signature:			
Full Name of joint inventor nu Citizenship: Post Office Address:		Residence: Folsom, CA	
Signature: Ked	lar Mangrulkar	Date:	_ _
Full Name of joint inventor nur Citizenship: Post Office Address:	mber 6: <u>Miguel Corvacho</u> Colombia Residencial Milenio casa 27 D Mercedes Sur, Heredia	Residence: Mercedes Sur, Heredia	
Signature: Wifuol Migr	uei Coffvacho	Date: December 10th	<u>7003</u>

Attorney Docket No.: 884.926US Serial No. 10/612722 Filing Date: July 2, 2003	1		Page 4 of
Full Name of joint inventor Citizenship: Post Office Address:	number 7: <u>Nakul Arora</u> India 979 Seabough Court Folsom, CA 95630	Residence: Folsom, CA	
Signature:	Nakul Arora	Date:	

Page 5 of 5

- § 1.56 Duty to disclose information material to patentability.
- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor,



SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: <u>CIRCUITS AND METHODS FOR ALLIGNMENT OF SIGNALS IN INTEGRATED CIRCUITS</u>.

The specification of which was filed on July 2, 2003 as application serial no. 10/612722.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Aldous, Alan	Reg. No. 31,905	Greenwald, Bradley A.	Reg. No. 34,341	Perdok, Monique M.	Reg. No. 42,989
Anderson, Robert D.	Reg. No. 33,826	Harris, Robert J.	Reg. No. 37,346	Peret, Andrew R.	Reg. No. 41,246
Anglin, J. Michael	Reg. No. 24,916	Huter, Jeffrey B.	Reg. No. 41,086	Peterson, David C.	Reg. No. 47,857
Arora, Suncel	Reg. No. 42,267	Jackson Huebsch, Katharine A.	Reg. No. 47,670	Plimier, Michael D.	Reg. No. 43,004
Bacon, Shireen	Reg. No. 40,494	Jurkovich, Patti J.	Reg. No. 44,813	Proksch, Michael A.	Reg. No. 43,021
Beekman, Marvin L.	Reg. No. 38,377	Kalis, Janal M.	Reg. No. 37,650	Prout, William F.	Reg. No. 33,995
Bianchi, Timothy E.	Reg. No. 39,610	Kalson, Seth	Reg. No. 40,670	Reif, Kevin A.	Reg. No. 36,381
Billion, Richard E.	Reg. No. 32,836	Klima-Silberg, Catherine I.	Reg. No. 40,052	Sayles, Crystal D.	Reg. No. 44,318
Black, David W.	Reg. No. 42,331	Kluth, Daniel J.	Reg. No. 32,146	Schumm, Sherry W.	Reg. No. 39,422
Brake, Edward	Reg. No. 37,784	Lacy, Rodney L.	Reg. No. 41,136	Schwegman, Micheal L.	Reg. No. 25,816
Brennan, Thomas F.	Reg. No. 35,075	Lam. Peter	Reg. No. 44,855	Seddon, Ken	Reg. No. 43,105
Burge, Ben	Reg. No. 42,372	Lin, Issac	Reg. No. 50,672	Seeley, Mark	Reg. No. 32,299
Chadwick, Robin A.	Reg. No. 36,477	Lundberg, Steven W.	Reg. No. 30,568	Shah, Ami P.	Reg. No. 42,143
Chen, George	Reg. No. 50,807	Lundmark, David C.	Reg. No. 42,815	Simon, David	Reg. No. 32,756
Choi, Glen	Reg. No. 43,546	Maki, Peter C.	Reg. No. 42,832	Skabrat, Steve	Reg. No. 36,279
Clark, Barbara J.	Reg. No. 38,107	Malen, Peter L.	Reg. No. 44,894	Speier, Gary J.	Reg. No. 45,458
Clise, Timothy B.	Reg. No. 40,957	Martinez, Anthony	Reg. No. 44,223	Steffey, Charles E.	Reg. No. 25,179
Cochran, David R.	Reg. No. 46,632	Mates, Robert E.	Reg. No. 35,271	Steiner, Paul E.	Reg. No. 41,326
Cool, Kenneth J.	Reg. No. 40,570	McCrackin, Ann M.	Reg. No. 42,858	Stordal, Leif T.	Reg. No. 46,251
Dahl, John M.	Reg. No. 44,639	Mehrle, Joseph P.	Reg. No. 45,535	Stutman-Horn, Joni D.	Reg. No. 42,173
DeLizio, Andrew	Reg. No. 52,806	Mennemeier, Larry	Reg. No. 51,003	Tong, Viet V.	Reg. No. 45,416
Draeger, Jeffrey S.	Reg. No. 41,000	Muller, Mark V.	Reg. No. 37,509	Tran, David	Reg. No. 50,804
Drake, Eduardo E.	Reg. No. 40,594	Nagy, Paul	Reg. No. 37,896	Viksnins, Ann S.	Reg. No. 37,748
Embretson, Janet E.	Reg. No. 39,665	Nama, Prakash	Reg. No. 44,255	Wells, Calvin	Reg. No. 43,256
Faatz, Cindy	Reg. No. 39,973	Nelson, A. James	Reg. No. 28,650	Willardson, Michael	Reg. No. 50,856
Forrest, Bradley A.	Reg. No. 30,837	Nicholls, Dennis A.	Reg. No. 42,036	Winkle, Robert G.	Reg. No. 37,474
Gagne, Christopher	Reg. No. 36,142	Nielsen, Walter W.	Reg. No. 25,539	Woessner, Warren D.	Reg. No. 30,440
Gorrie, Gregory J.	Reg. No. 36,530	Padys, Danny J.	Reg. No. 35,635	Wong, Sharon	Reg. No. 37,760
Greaves, John N.	Reg. No. 40,362	Parker, Lanny	Reg. No. 44,281	Yates, Steven D.	Reg. No. 42,242
Green, Sharmini N.	Reg. No. 41,410	Parker, J. K.	Reg. No. 33,024	Young, Charles K.	Reg. No. 39,435
Greenberg, Robert A.	Reg. No. 44.133	Peacock, Gregg A.	Reg. No. 45,001	-	

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary. Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint invent	or number 1: Tanveer R Khondker	
Citizenship:	Bangladesh	Residence: Folsom, CA
Post Office Address:	584 Borges Ct.	
	Folsom, CA 95630	1 1
	FrallillM.	3/25/64
Signature:	/ I FAINTIVV · ·	Date:
	Tanyeer R Khondker	/ /
	1	

X Additional inventors are being named on separately numbered sheets, attached hereto.

Full Name of joint inventor Citizenship: Post Office Address:	r number 2: <u>Vijay Vuppaladadium</u> India 1021 Folsom Ranch Drive #204 Folsom, CA 95630	Residence: Folsom, CA	
Signature:		Date:	
	Vijay Vuppaladadium		
Full Name of joint inventor	number 3: Inder Sodhi		
run wame of joint inventor Citizenship:	India	Residence: Folsom, CA	
Post Office Address:	963 Sterling Circle		
	Folsom, CA 95630		
Signature:		Date:	
Jightarare.	Inder Sodhi		
			_
	number 4: Venkatesh Prasanna	D. 11 D. G.	
Citizenship: Post Office Address:	India 132 Rockbolt Circle	Residence: Folsom, CA	
rost Office Address:	Folsom, CA 95630		
	•	_	
Signature:	Venkatesh Prasanna	Date:	
	V EHRACESH F FASAHIIA	•	
		and the same of th	-
Full Name of joint inventor	number 5: Kedar Mangrulkar		
Citizenship:	India	Residence: Folsom, CA	
Post Office Address:	1018 Thompson Circle	,	
	Folsom, CA 95630	•	
Signature:		Date:	
	Kedar Mangrulkar		
			-,
		•	
Full Name of joint inventor	number 6: Miguel Corvacho		
Citizenship:	Colombia	Residence: Mercedes Sur, Heredia	
Citizenship: Cost Office Address:		Residence: Mercedes Sur, Heredia	
Full Name of joint inventor Citizenship: Post Office Address: Signature:	Colombia Residencial Milenio casa 27 D	Residence: Mercedes Sur, Heredia Date:	

ί

Page 4 of 5

Full Name of joint inventor Citizenship: Post Office Address:	number 7: <u>Nakul Arora</u> India 979 Seabough Court Folsom, CA 95630	Residence: Folsom, CA	
Signature:	Nakul Arora	Date:	

§ 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.